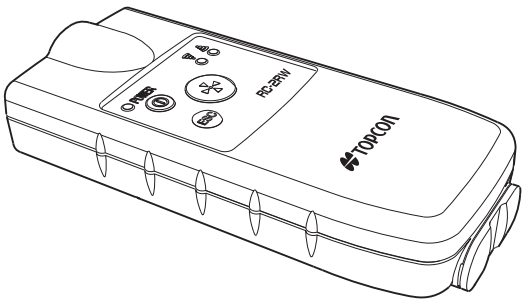
TOPCON



INSTRUCTION MANUAL

REMOTE CONTROL SYSTEM 2W

RC-2W

Japan Surveying Instruments JSIMA Manufacturers' Association

Foreword

Thank you for purchasing the Topcon RC-2W Remote control system-2W.
For the best performance of the instrument, please read these brief instructions carefully, and keep them in a convenient location for future reference.

This system has the following features:

- Enables optical communications between the total station GTS-800A/810A/820A, GPT-8000A and RC-2RW on the prism side, which allows simplified one-man survey based on the application programs.
- For communication between the RC-2RW on the prism side and the data collector FC-1000, communication by either Bluetooth (wireless) or cable is possible.
- Has the turn-round function with which more efficient one-man survey is possible.

General Handling Precautions

Before starting work or operation, be sure to check that this system is functioning correctly with normal performance.

- Do not submerge the instrument into water.

The instrument can not be submerged underwater.
RC-2RW is designed based on the International Standard IP65 and RC-2H is designed based on the International Standard IP54, therefore it is protected from the normal rainfall.

- Guarding the instrument against shocks.

When transporting the instrument, provide some protection to minimize the risk of shocks. Heavy shocks may cause the measurement to be faulty.

- Battery level check.

Confirm battery remaining level before operating.

- Storing the instrument for long period

Remove the dry cells from the instrument when you would not use it for long period.

- Turn-round motions and Optical communications
  RC-2RW should be kept aiming so that the total station always stays within the above range of laser beam emission until the turn-round motions or optical communications are completed.
  If the aiming is out of above range while RC-2RW is in turn-round motions or optical communications, the turn-round or optical communications could not be completed.
  See “Light emitting angle” on page 14 and “Light detecting range” on page 15.

Safety Information

In order to encourage the safe use of products and prevent any danger to the operator and others or damage to properties, important warnings are put on the products and inserted in the instruction manuals.
We suggest that everyone understand the meaning of the following displays and icons before reading the “Safety Cautions” and text.

Display	Meaning
⚠**WARNING**	Ignoring or disregard of this display may lead to death or serious injury.
⚠**CAUTION**	Ignoring or disregard of this display may lead to personal injury or physical damage to the instrument.

Injury refers to hurt, burn, electric shock, etc.
Physical damage refers to extensive damage to buildings or equipment and furniture.

Safety Cautions

⚠**WARNING**
• **There is a risk of fire, electric shock or physical harm if you attempt to disassemble or repair the instrument yourself.** This is only to be carried out by TOPCON or an authorized dealer, only!
• **Risk of fire or electric shock.** Do not use damaged power cable, plug and socket.
• **Risk of fire or electric shock.** Do not use a wet battery or charger.
• **May ignite explosively.** Never use an instrument near flammable gas, liquid matter, and do not use in a coal mine.
• **Battery can cause explosion or injury.** Do not dispose in fire or heat.
• **The short circuit of a battery can cause a fire.** Do not short circuit battery when storing it.

⚠**CAUTION**
Use of controls or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.
Do not allow skin or clothing to come into contact with acid from the batteries, if this does occur then wash off with copious amounts of water and seek medical advice.
Risk of injury by falling down the instrument or case. Do not use a carrying case with a damaged which belts, grips or latches.
It could be dangerous if the instrument falls over, please check that you fix the handle to the instrument.

User

1) This product is for professional use only!
   The user is required to be a qualified surveyor or have a good knowledge of surveying, in order to understand the user and safety instructions, before operating, inspecting or adjusting.
2) Wear the required protectors (safety shoes, helmet, etc.) when operating.

Exceptions from Responsibility

1) The user of this product is expected to follow all operating instructions and make periodic checks of the product's performance.
2) The manufacturer, or its representatives, assumes no responsibility for results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage, and loss of profits.
3) The manufacturer, or its representatives, assumes no responsibility for consequential damage, and loss of profits by any disaster, (an earthquake, storms, floods etc.).
   A fire, accident, or an act of a third party and/or a usage any other usual conditions.
4) The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits due to a change of data, loss of data, an interruption of business etc., caused by using the product or an unusable product.
5) The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits caused by usage except for explained in the user manual.
6) The manufacturer, or its representatives, assumes no responsibility for damage caused by wrong movement, or action due to connecting with other products.

Laser Safety

This product uses the invisible lases beam to measure distance. This product is manufactured and sold in accordance with "Performance Standards for Light-Emitting Products" (FDA/BRH 21 CFR 1040) or "Radiation Safety of Laser Products, Equipment Classification, Requirements and User's Guide" (IEC Publication 60825-1) provided on the safety standards for laser beam.
As per the said standard, this product is classified as "Class 1 (I) Laser Products".
This is simple a product to operating that is not required to training from a "Laser safety officer".
In case of any failure, do not disassemble the instrument. Contact TOPCON or your TOPCON dealer.

Class 1 Laser Product

Invisible Laser Beam

Total Station GTS-800A/810A, GPT-8000A series

The software must be of the correct version for your version of the GTS-800A/810A, GPT-8000A series, otherwise the RC-2RW will not function properly. Contact TOPCON or your TOPCON dealer for version information.

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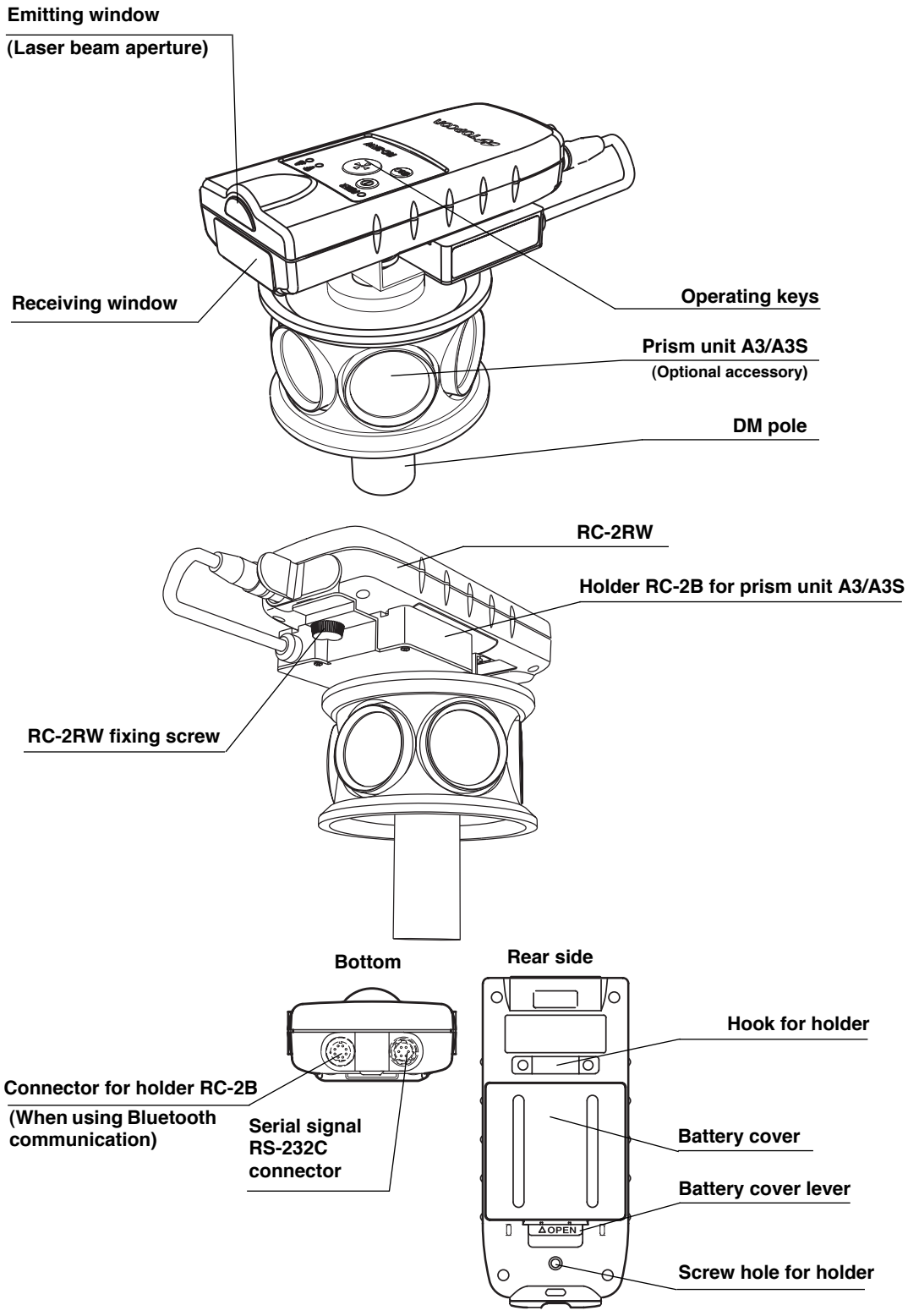
Standard System Components

1) Remote controller RC-2RW . . . . . 1pc.
2) Remote controller Handle unit RC-2H . . . . . 1pc.
3) AA size dry cells . . . . . 4pcs.
4) Silicon cloth. . . . . 1pc.
5) Instruction manual . . . . . 1vol.
6) Holder RC-2B for prism unit A3/A3S. . . . . 1pc.

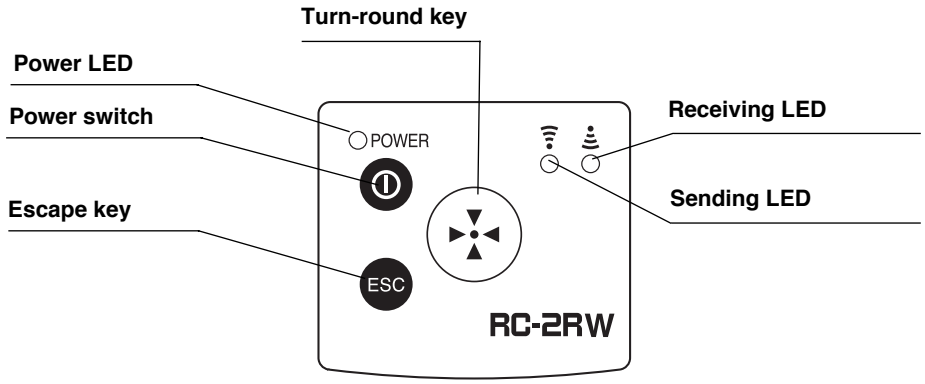
Please make sure that all of above items are in the box when you unpack.

Nomenclature and Functions

Remote Controller RC-2RW



Panel



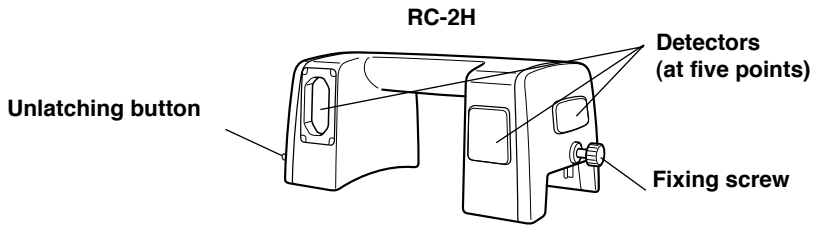
Key	Function
Power switch	ON/OFF of power of the RC-2RW.
Turn-round motion key	Total station will be in turn-round motion.
Escape key	Cancels the emitting laser for turn-round motion. The total station will stop the turn-round operation after continuing the motion for a while.

LEDs

LED	Status	Contents
Power LED	**On solid**	The power of RC-2RW is ON.
	Flash	The battery remaining of RC-2RW is low. Replace the batteries with new ones.
	Off	The power is OFF
Receiving LED	**On solid**	RC-2RW is in the middle of data reception.
Sending LED	**On solid**	RC-2RW is in the middle of data transmission.
	Flash	RC-2RW is in the middle of turn-round command transmission.

Remote Controller Handle Unit RC-2H

GTS-800A/810A/820A, GPT-8000A series total station requires RC-2H to enable turn-round motions and optical communications with RC-2RW.

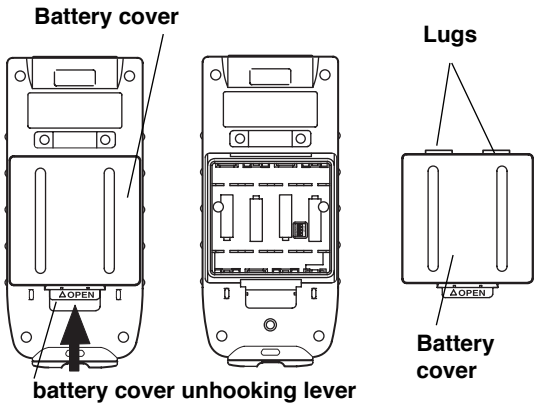


GTS-800A/810A/820A, GPT-8000A series carrying case is large enough to house the total station fitted with RC-2H.

Preparation

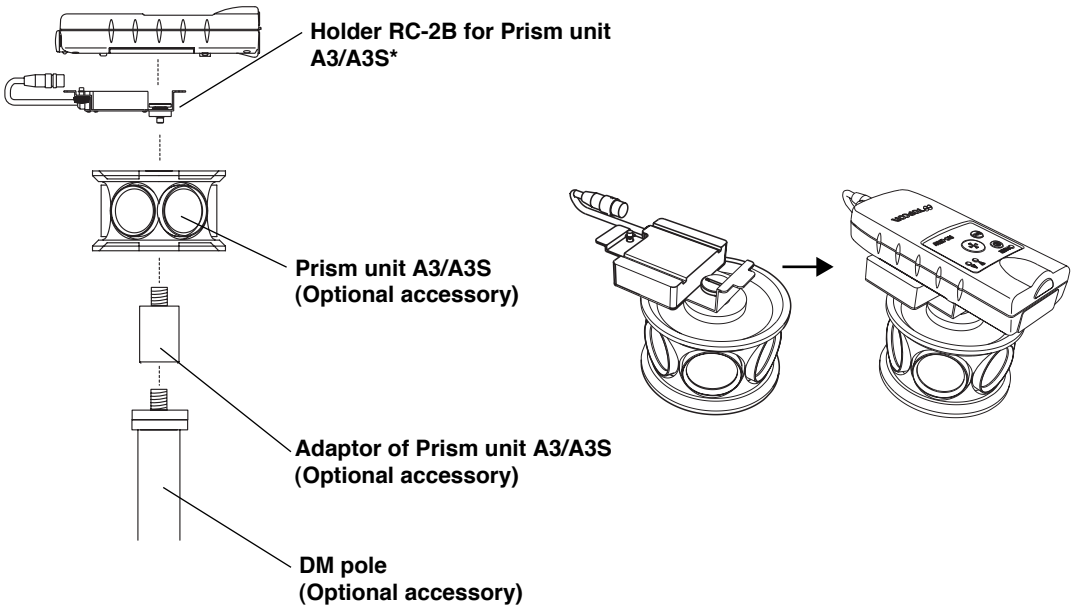
Battery installation and replacement

1. Push up the battery cover unhooking lever and detach the cover.
2. Install four new “AA” size dry cells with correct polar orientation as shown on the side of the battery housing.
3. Insert the top lugs of battery cover and press the cover until it is snapped shut.



Note	● Replace all 4 batteries with new ones. ● Do not mix used and new batteries, and do not mix different types of batteries together. ● Insert the batteries with the positive and negative terminals oriented correctly.

Installing RC-2RW onto the prism unit A3/A3S

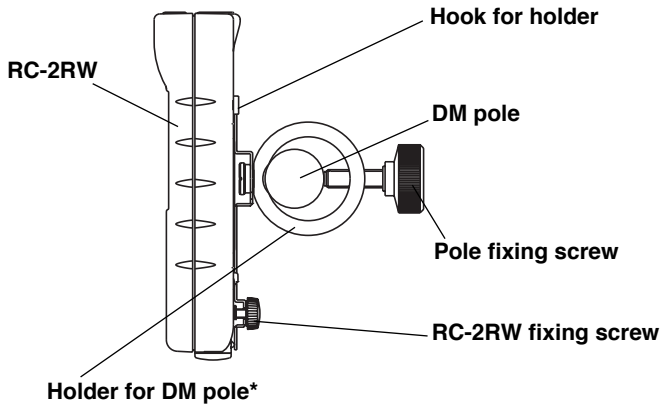

Holder RC-2B for Prism unit A3/A3S*
Prism unit A3/A3S (Optional accessory)
Adaptor of Prism unit A3/A3S (Optional accessory)
DM pole (Optional accessory)

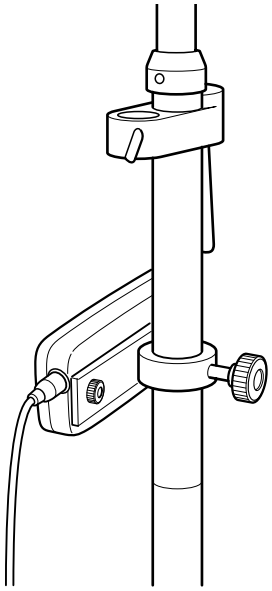
Installing RC-2RW onto the DM pole

RC-2RW can be installed onto the DM pole as shown below:.

1 Insert the DM pole into the holder and secure the holder by fastening the pole fixing screw.

2 Hook the RC-2RW to the hook of the holder and tighten the RC-2RW fixing screw of the holder.

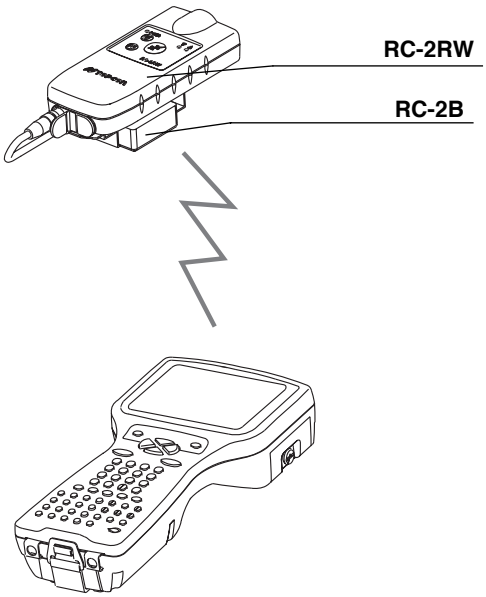




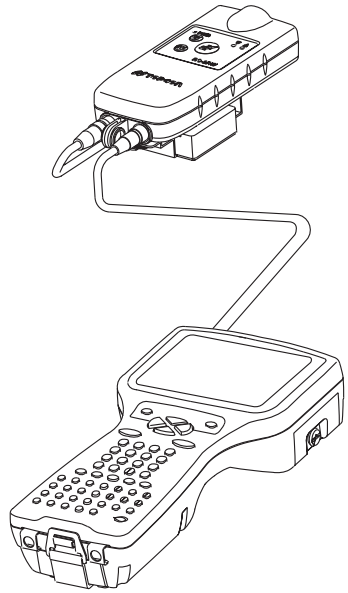
*** Holder for DM pole is an optional accessory.**

Communication between the RC-2W and a data collector

- For communicating between the FC-1000 and the RC-2W by means of Bluetooth, connect the RC-2B's connector to the RC-2W.



- For communicating between the FC-1000 (or another data collector) and the RC-2W by means of an RS-232C connector, connect the cable to the RC-2RW's RS-232C connector.

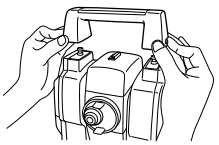


Note	● In this case, it is not necessary to remove the RC-2B's connector. However, power will be supplied to the RC-2B, so the operating time will be almost equal to the Bluetooth communication.

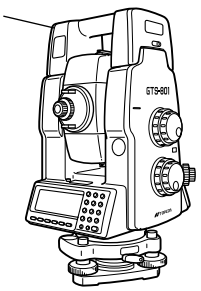
Mounting remote controller handle unit RC-2H onto the total station

Optical communications between total station and RC-2RW, become possible by installing remote controller handle unit RC-2H onto the total station.

1 Dismount the handle from total station.



2 Mount RC-2H and secure it firmly with the fixing screw.

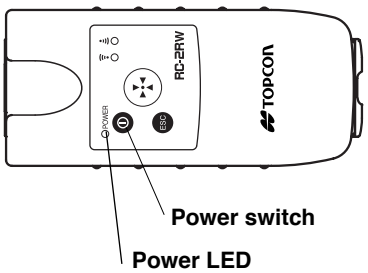


Note	● Ensure that the power switch of total station is off when mounting RC-2H.

Basic Operation

Power switch ON

1 Press the power switch.
Power LED will light.



Battery Remaining Display for RC-2RW

When the battery of the RC-2RW is low, the power LED will flash with beep sound.
(Audio sound: Two pitches, frequent beep synchronized with power LED)
Confirm the battery remaining when turning on the instrument.
When the LED is displayed and the beep sounds, replace the dry batteries with new ones.
We recommend for safety to prepare spare dry batteries.

Battery Warning for GTS-800A/810A/820A, GPT-8000A series

When the battery power of total station in optical communication with RC-2RW is low, the bip will sound from the RC-2RW.
(Audio sound: Three pitches, frequent bip)
When the bip sounds, replace or recharge the batteries of total station.

Auto Power Off

If no key operation is given or no communication is performed for more than 30 minutes, the power turns off automatically.

Error display

The RC-2RW unit does not display errors.
Refer to the operation manual for the data collector and other software for details.

Setting for Optical communications with total station

The following settings is prerequisites for the optical communications to take place between the total station (or an application program) and RC-2RW.

Setting Parameters in total station

● When communicating by using [EXT.LINK] of the application software (AP-L1 communication mode).

1 Select Communication Path to RC in the program [EXT.LINK] .
Operation:
Main menu - Program Modes [F1](Prog) - [F2](EXT.LINK) - [F2](Setting) - [F1](CABLE / RADIO MODEM / RC)

2 Set Parameter for RC.
Operation:
Main menu - Program Modes [F1](Prog) - [F2](EXT.LINK) - [F2](Setting) - [F3](RC)
Main menu - Parameters Setting Modes [F6](Para) - [F2](communication) - [F3](Set RC)

3 Execute the External Link.
Operation:
Main menu - Program Modes [F1](Prog) - [F2](EXT.LINK) - [F1](Execute)

● When communicating without using [EXT.LINK] (GTS communication mode).

1 Select Communication Path to RC in the Parameters Setting Mode.
Operation:
Main menu - Parameters Setting Modes [F6](Para) - [F2](communication) - [F1](Serial Port)

2 Set the parameters in the Parameters Setting Mode. (Refer to Table of item to be set showen as follows.)
Operation:
Main menu - Parameters Setting Modes [F6](Para) - [F2](communication) - [F3](Set RC)

Setting Parameters in RC-2RW

Set the parameters in Setting Mode.
Refer to Table of item to be set in Setting Mode.

Setting Parameters of Communication port in Data Collector

- When communicating by using Bluetooth, refer to the manual of Data Collector's application software.
- When communicating by means of RS-232C.

Connect a data collector to be used to the serial RS-232C connector of the RC-2RW, and set the items as follows.

B.Rate	4800
Data.L	8
Parity	none
Stop Bit	1

Table of item to be set

Following parameters surrounded that you must set for RC-2RW and total station.

● Setting Parameters in total station

Operation			Item	Setting	
				By using "EXT.LINK" (AP-L1 communication mode)	Without using "EXT.LINK" (GTS communication mode)
Main menu → [F1]Prog → EXT.LINK	[F2]Setting	[F1]CABLE/RADIO MODEM/RC		RC	———
		[F3]PARAMETER(RC)	Channel	Select Matches the communication channel to RC-2RW.	
			Terminate	Select	
			Retry	Select	
			REC TYPE	Select	
Main menu → [F6]Para → [F2]Com.	[F1]Serial Port RS232C/RC			———	RC
	[F3]Set RC		Channel	———	Select Matches the communication channel to RC-2RW.
			V.Search	Select	Select
			RC	Select	Select
			Retry	———	Select
			Delimit	———	Select
			REC-A/B	———	Select
			NEZ-REC	———	Select
			Trk State	———	Select
			Other parameters	———	Fixation

The content of each set item of "EXT.LINK" is the following.
Moreover, please refer to Chapter 8.1.2 of the total station's manual for [F6]Parameters.

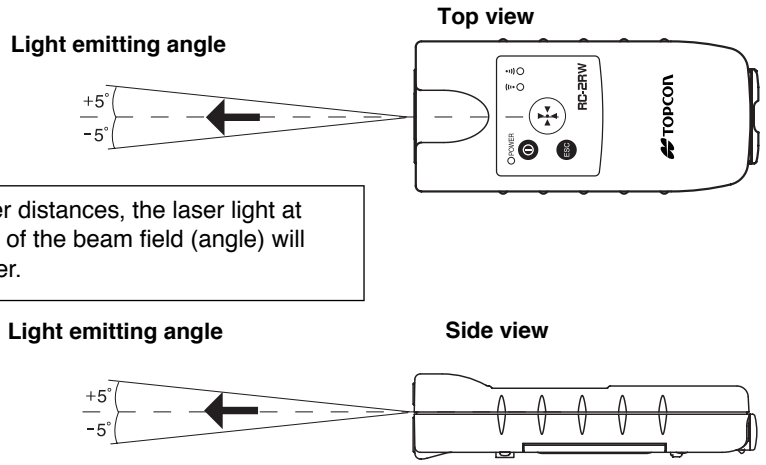
Channel	1/2/3	Refer to "Setting Mode".
Terminate	ETX / ETX+CR / ETX+CR+LF	Select the option OFF or ON for carriage return and line feed when collecting measurement data with a data collector.
Retry	Standard/Divided	Selecting the method of the data re-transmitting. Standard : This is offered in normal condition. Divided : Using in bad condition such in long distance, bad condition of sight, strong heat simmer.
REC TYPE	REC-A /REC-B	Select the option to record the data. REC-A : The measurement is started and new data is output. REC-B : The data memorized in total station is output.

● Setting Parameters in RC-2RW

Communication channel	Select

Light emitting angle

Laser beams are emitted from the light emitter of the RC-2RW.
The angle of emitting laser beams is as follows.

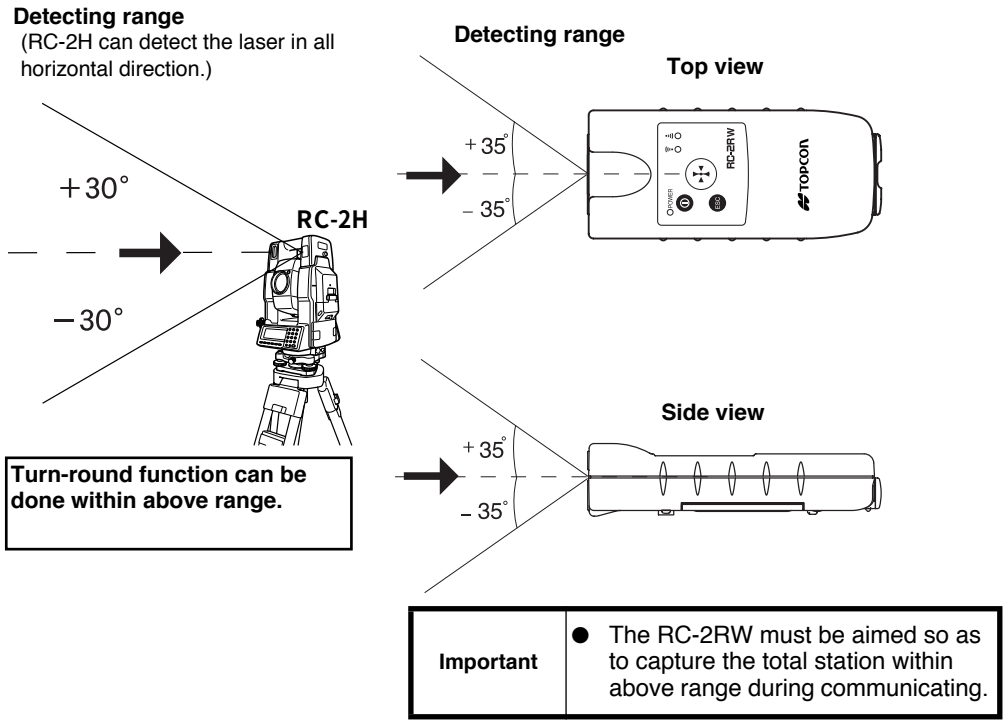


At greater distances, the laser light at the edge of the beam field (angle) will be weaker.

Important	● RC-2RW should be kept aiming so that the total station always stays within the above range of laser beam emission until the turn-round motions or optical communications are completed. If the aiming is out of above range while RC-2RW is in turn-round motions or optical communications, the turn-round or optical communications could not be completed.

Light detecting range

The detecting angles of RC-2RW and RC-2H (Total station) are shown below:
Total station can only be turned round with the turn-round key under the condition that RC-2RW remains confined within the range as shown below where RC-2H can detect light.
RC-2RW should be aimed in a way to always capture the total station within this range during receiving data from the total station.



Important	● The RC-2RW must be aimed so as to capture the total station within above range during communicating.

Turn-round function

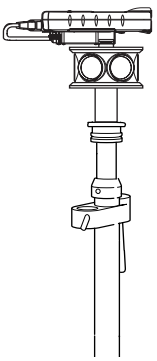
Important	● RC-2RW should be kept aiming so that the total station always stays within the above range of laser beam emission until the turn-round motions is completed. If the aiming is out of above range while RC-2RW is in turn-round motions, the turn-round could not be completed. ● At greater distances, the laser light at the edge of the emitting range (angle) will be weaker; therefore, the RC-2RW must be aimed correctly.

The turn-round key on RC-2RW is used to have the total station search or automatically track RC-2RW (prism).
In the auto tracking mode, RC-2RW and the total station are ready for optical communications.
Turn-round function is useful for auto-tracking when you start working or when the auto-tracking is interrupted by any reason.
For increasing efficiency, keep the auto-tracking status when you move to another measurement point.

Note	● The settings and conditions of communication are prerequisites for the optical communications to take place between the total station and RC-2RW.

1 Turn on the total station and execute the [External Link].

2 Aim the RC-2RW light emitter at the total station.



3 Turn On the RC-2RW by pressing the power switch.

4 Press the [turn-round] key on RC-2RW.
Total station starts searching and ends in the tracking mode where it is communicable with this system.

Note	● Total station must be kept apart from reflecting planes such as glass and white walls. Reflected light may prevent it from correct prism searching and from auto tracking. In this case, change the power mode of RC-2RW to the low power mode to decrease the output of laser beam. To change the power mode, see “Low Power mode of Laser Beam” on page 17. ● Ensure that RC-2RW remains as motionless as possible when the total station is in turn-round motions. Total station otherwise may not be able to search prism correctly, requiring extra time for the task. ● The RC-2RW must be aimed so as to capture the total station within a range of ± 35° in the vertical and horizontal direction during communicating. (Refer to “Light detecting range” section.)

Stopping turn-around operations

Press the [ESC] key to terminate turn-around operation. After the key is pressed, turn-around operation will continue for a short time before the Total Station comes to a stop.

Tracking Sensitivity of total station

(Only for GTS-800A/810A)

When executing turn-around operations at separation distances of 100 m or more from the total station, the manufacturer recommends setting the tracking sensitivity of the total station to high (H) in order to make operations more consistent.
On the low (L) and medium (M) settings, distance and weather conditions can increase the time required for turn-around operations, and under certain adverse conditions total station operations might even be impossible.

Low Power mode of Laser Beam

When the Total Station performs a turn-around function at a distance of approximately 10 m from the RC-2RW, strong reflections of the pulsed laser diode (PLD) emission can prevent the Total Station from searching the prism correctly. In this case, switch the laser to low-power mode to reduce the intensity of such reflections.
In low-power mode, the range of the turn-round function is shorter than in normal-power mode.

To change the power mode

Turn the power ON while holding down the [ESC] key.
A buzzer will sound indicating that the RC-2RW is in low-power mode.
To return to normal-power mode, turn the power OFF, wait several seconds, and then turn the power ON again.

Reference : Turn-round motions:

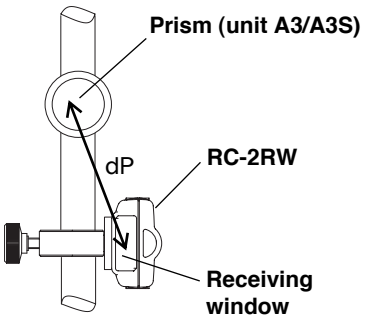
When the turn-around key on the RC-2RW is pressed, the pulsed laser diode (PLD) in the emitter produces a laser beam with a ± 5° cone pattern (Refer to “Light emitting angle” on page 14”.)
The RC-2H component of the Total Station has photo detectors on all four sides (front, rear, right and left), allowing laser beams to be detected in any orientation. This detection ability extends to approximately ± 30° in the vertical direction (refer to “Light detecting range” on page 15.)
Upon detecting laser emissions, the Total Station aligns toward the RC-2RW.
After horizontal alignment, the telescope is scanned vertically in order to target the prism and initiate auto tracking.

Under certain conditions, the time required for communications can increase to the point that turn-around operations require a long time to complete, and under certain circumstances such operations might not even be completed properly. The following conditions can adversely affect operation:

1) When units are used for communication over long distances or under poor atmospheric and weather conditions (e.g., in strong direct sunlight; heat refraction such as occurs near road surfaces and building surfaces on hot days; rain; fog, etc.)
2) When the aim of the RC-2RW is set incorrectly (refer to “Light emitting angle” on page 14.)
3) When the installation position of the prism and RC-2RW are separated (refer to “Minimum Distance for Optical Communication” on page 18.)
4) When communication channel settings, or other settings, of the total station and RC-2RW are not matched or are set incorrectly (refer to “Table of item to be set” on page 13 and “Setting Mode” on page 19.)
5) When the total station is located in front of or to the side of glass or some other reflective surface.
6) When, during turn-around operations, a person, car, or other object obstructs the light path between the total station and the RC-2RW.
7) When the units are used over long distances, the RC-2RW is set to low-power mode (“Low Power mode of Laser Beam” on page 17.)
8) When the dip switch settings on the RC-2RW are set incorrectly (refer to “Setting Mode” on page 19.)
9) When the battery status display on the total station is flashing (low battery power)

Minimum Distance for Optical Communication

If you are not using the external detector(optional accessory), attach the prism unit as close as possible to the RC-2RW. The minimum distance for optical communication is then determined by the distance between the prism and the receiving window (dP), as described below.



Minimum distance	Prism position (dP)
10m	approx. 10cm
20m	approx. 15cm
30m	approx. 20cm

Recommendation of the sealed-nickel-metal hydride (Ni-MH) battery

The use of Ni-MH batteries is recommended under low ambient temperature conditions. In general, under cold conditions, the discharge characteristics of Ni-MH batteries are better than those of alkaline-manganese batteries, thus providing longer operating time.

Setting Mode

In this mode, following items can be set.

Setting Items

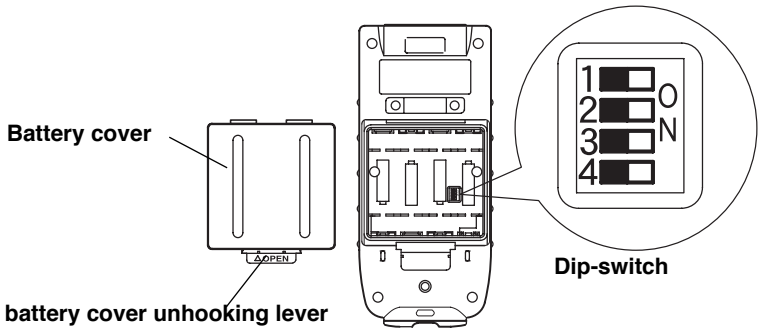
Items	Selecting item	Description
Communication channel	**1 to 3**	Sets a channel to be used for communications. The same communication channel must be assigned to both RC-2RW and the total station. The turn-round function will work regardless of setting channel.
Communication type	**Normal / Turn-round only**	Select communication type. Normal: Normal communication Turn-round only: Turn-round function is only available but other communication can not be available.

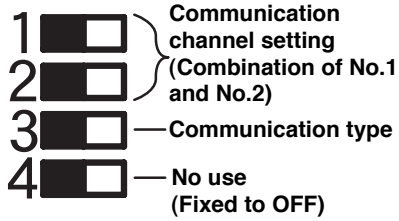
How to Set

Set the setting mode by using the dip-switch located in battery space.

1 Detach the battery cover and take off the dry batteries.

2 Turn the dip-switch ON or OFF using with a pin.



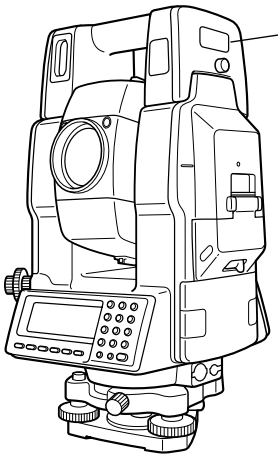


Dip-switch	Setting	Contents
1 2	1: OFF 2: OFF	Channel 1
	1: ON 2: OFF	Channel 2
	1: OFF 2: ON	Channel 3
3	OFF	Normal communication
	ON	Turn-round function is only available
4	No use (Fixed to OFF)	----------

Notice	● Dip-switch No.4 must be fixed to OFF position. The RC-2RW does not work correctly when the switch No.4 is set to ON position.

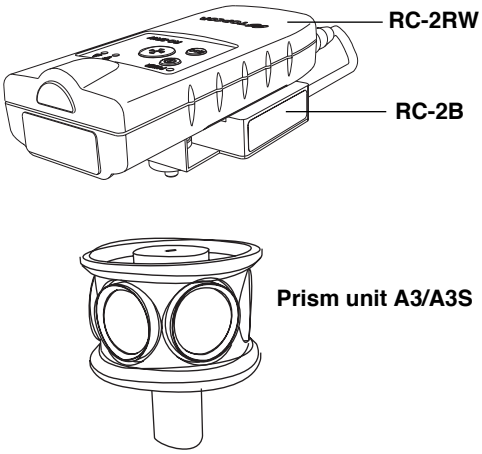
System / Prism System

System

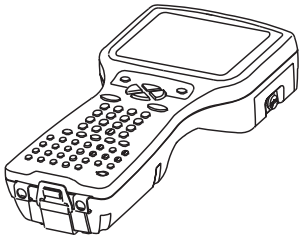


GTS-820A, GPT-8000A Series

Prism System

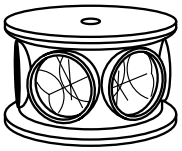


Special Accessories

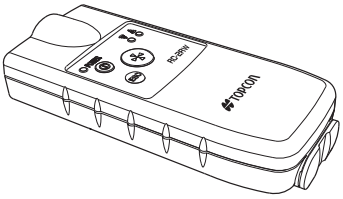


Data Collector

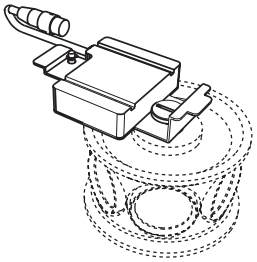
Suitable for systemization of measuring instrument. Measuring data will be automatically stored and transferred to a computer system, making measuring operations more efficient and saving time and effort in such operation.



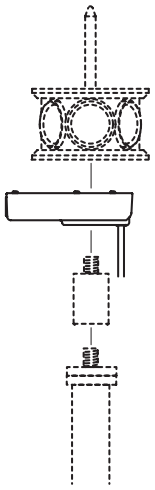
Prism unit-A3/A3S



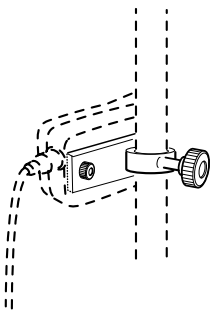
RC-2RW



Holder RC-2B for prism unit A3/A3S



External detector



Holder for DM pole

Precaution

- Always clean the instrument after use.

Remove the dust using a brush, then wipe off with a soft cloth.
For cleaning the lens surface of the receiving window, use a cleaning brush, then use a clean lintless cotton cloth. Moisten it with alcohol (or mixture with ether) to wipe gently in a rotational motion from the center out.

- To remove the dust on the surface of emitting window or the parts made by plastic, never use thinner or benzine. Use a clean cloth moistened with neutral detergent.

- Always make sure the instrument is completely dry before storing. Dry any moisture with a soft, clean cloth.

Specifications

Operating temperature	:	-20°C to +50°C
Storing temperature	:	-30°C to +60°C
Protection against water and dust	:	RC-2RW: IP65 RC-2H: IP54 (Based on the standard IEC60529)
Operating distance * 1)	:	GTS-800A/810A : 10m~250 m (33ft ~820 ft) GTS-820A/8000A : 15m~250 m (49ft ~820 ft) (When using with the prism unit A3/A3S)
* 1)		The operating distance may be shorter than normal in such the condition is not good by the heat simmer or strong direct sun shine to the detector.
Turn-round operating time	:	Approximately 10 to 12 seconds *2,3)
Optical communicating time	:	Approximately 3 to 4 seconds *2,4)
* 2)		Sight haze with visibility about 20km (12.5 miles) moderate sunlight with light shimmer.
* 3)		Under normal weather conditions, with the telescope turned 90° relative to the prism, and turn-around performed with the prism roughly aligned vertical. (refer to “Reference : Turn-round motions:” on page 17.)
* 4)		Standard times for data display and data recording. Times may vary depending on software version.

Remote Controller Handle Unit RC-2H

Power source	:	DC 7.2V from total station
Detective range	:	Horizontal : 360° Vertical : ±30°
Weight	:	0.4 kg
Dimensions	:	86(D) × 180(W) × 78(H) mm

Remote Controller RC-2RW

Power supply	:	Four AA size dry cells (6V)
Operating time	:	Normal use *1) : Without using the RC-2B : Approx. 30 hours : When using the RC-2B’s Bluetooth communication : Approx. 15 hours (Using with alkaline manganese dry batteries)
Pole	:	DM pole
Weight	:	0.3 kg
Dimensions	:	154 (D)× 69 (W)× 38 (H) mm
*1) Normal use		Under normal temperature at +25°C, Measuring two points (Including communicating and recording data) every 1 minute and using turn-around function once every 10 minutes. In low temperature, operating time will decrease rapidly due to the characteristic of dry battery. We recommend you Ni-MH battery sold in the market for low temperature.

[Emitting Laser]

Angle of Laser	:	Each direction ±5° At greater distances, the laser light at the edge of the emitting range (angle) will be weaker by laser emitting characteristic. 100m (328ft): Approximately ±5° 250m (820ft): Approximately ±3°
Laser class		Class 1/ Class I

[Detecting Laser]

Detecting range	:	Horizontal ±35° Vertical ±35°

[Interface]

Connector with 6 pins	:	RS-232C Baudrate : 4800 Bit length : 8 bits Parity bit : None Stop bit : 1 bit

[Bluetooth unit]

Model name	:	HA-1217
Bluetooth version	:	V1.1
PIN Code	:	Recognizable (4 digids) Default (1111)
Transmission power	:	Class2
Communication range	:	Approx.10m (33ft.) (The range is different by a condition)

Regulatory Information

U.S.A

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is used in a commercial or residential environment. This equip ment generates, uses and can radiate radio frequency energy and, if not used in accordance with the instruction manual, may cause harmful interference to radio communications.
Operation of this equipment is subject to the following two con ditions:

(1) The device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

REMOTE CONTROL SYSTEM 2W

RC-2W

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